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... The weak generational hypothesis is the basis for **generational garbage collection** [34]. ... By

selecting different increment sizes, belt organizations, and **promotion policies**, a collector in

the Beltway framework can be configured to implement any of the well-known copying ...

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... We set up **promotion policies** so that objects are promoted from the nursery to the first of

these steps, and from the i-th step into the i+1-st step on each collection. All

these steps belong to generation 0 and are always collected. ...

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... 1.1 **Generational Garbage Collection** GGC divides the heap into two or more areas, called

generations, containing objects of different ages. ... GGC with multicycle **promotion policies**,

however, may not recover enough free space after a collection. ...

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... We set up **promotion policies** so that objects are promoted from the nursery to the first of these

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Mortality' and **generational garbage collection**. SIGPLAN Notices, 28(4):55-57, 1993. ...

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... The immediate practical utility of these results is that they enable correct configuration

of a generational (copying) garbage collector: optimal choice of the allocation region size, number and size of generations, and **promotion policies**. ...

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